



# Synthesis Lectures on Software Engineering

SERIES EDITOR: Luciano Baresi, *Politecnico di Milano*

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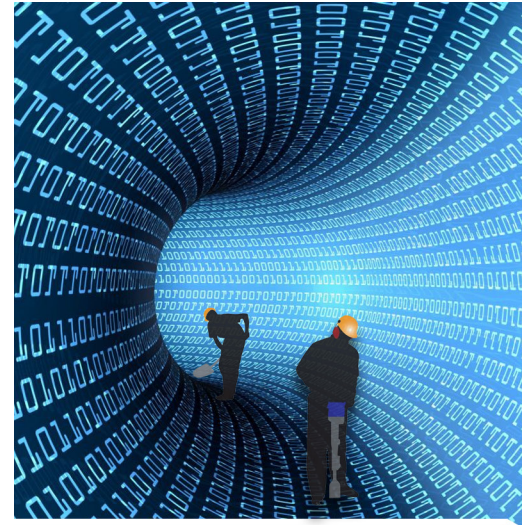
Many researchers have a desire to make a contribution in our areas of expertise in the form of a book, but never do, owing to the increasing size of the field and the intimidating thought of writing a tome of 400+ pages which may include topics outside of your areas of expertise. At the same time readers are increasingly reluctant to purchase a large expensive volume in order to get the few pages or chapters that they want and need. We want to give you the opportunity to write lectures of lasting significance on topics of special and timely interest. We hope you will join us!

If you have any questions, please let me know; I would welcome a chance to chat with you via email.

Sincerely,

Luciano Baresi, Series Editor  
Synthesis Lectures on Software Engineering  
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PS: **Please see the reverse of this page for a partial list of topics** we have determined are of interest and for more info on the Morgan & Claypool Digital Library.



The *Synthesis Lectures on Software Engineering* series publishes short books (60-150 pages) on conceiving, specifying, architecting, designing, implementing, managing, measuring, analyzing, validating, and verifying complex software systems. The series will overview practical experiences in software engineering theories, methods, techniques, tools and practices. The goal is to provide both focused monographs on the phases of the software process and detailed presentations of frontier topics. Premier software engineering conferences, such as ICSE, ESEC/FSE, and ASE will help shape the purview of the series and make it evolve.



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## LIST OF TOPICS:

- Requirements elicitation
- Software design
- Software architecture
- Quality assurance techniques
- Security and other non-functional properties
- Software process and economics
- Software visualization
- Model-driven software engineering
- Automated software deployment and DevOps solutions
- Software engineering for complex, pervasive and dynamic systems
- Empirical software engineering (Learning from software repositories)
- Modern programming languages for dynamic and parallel systems
- Software engineering for the cloud
- Software engineering for massively parallel computations

## Some information about the unique publishing model for Synthesis:

- Each lecture is a self-contained short ebook publication-- 50-150 pages long. Our goal is to create a wide array of in-depth, state-of-the-art surveys by leading researchers in the field of sustainability.
- All lectures are maintained as full color digital files. Readers will decide how to receive materials, accessed through library or company database subscription, online pay-per-view, download/self-print, or as a printed book. The digital lectures may include a variety of links and attachments including video, audio, software, and lecture slides.
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- A review process is overseen by the editor and publisher, and publication is as fast as possible, about three to four weeks for the electronic version, 8 weeks for the printed version.
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